



Guil-Rand Fire Department

Operational Permit Application

Combustible Dust Producing Operations

This application for an Operational Permit is required for the Combustible Dust Producing Operations from Manufacturing, Processing, and Handling of Combustible Particulate Solids. Following the North Carolina Fire Code (NCFC), applicable NFPA Standards, and all applicable State, Federal, and Local Laws and Ordinances.

Section 1- Permit Type

- New Permit
- Renewal
- Modification / Change of Use
- Temporary Operation

Description of Operation (include processes, activities, and purpose):

Section 2- Applicant Information

Business / Facility Name: _____

Physical Address: _____

City: _____ State: NC Zip: _____

Mailing Address (if different): _____

Owner / Responsible Party: _____

Title: _____

Phone: _____ **Email:** _____

Emergency Contact (24-Hour): _____

Phone: _____

Section 3- Description of Operation

Type of Combustible Dust Produced (check all that apply):

- Wood / Wood Flour
- Agricultural (grain, feed, seed, flour)
- Metal (aluminum, magnesium, titanium, etc.)
- Plastic / Polymer
- Coal
- Sugar / Food Products
- Pharmaceutical
- Other (specify): _____

Brief Description of Process Producing Dust:

Normal Operating Hours: _____

Section 4- Dust Hazard Analysis (DHA)

A Dust Hazard Analysis (DHA) has been completed

A DHA is not required (explain): _____

DHA Completion Date: _____

Prepared By: _____

Company / Credentials: _____

DHA attached to this application

Section 5- Equipment & Systems (check all that apply)

Dust Collection System

Cyclone Separator

Baghouse / Cartridge Collector

Wet Collection System

Pneumatic Conveyance

Explosion Venting

Explosion Suppression

Explosion Isolation

Spark Detection / Arresting System

Manufacturer / Model Numbers:

Location of Dust Collectors:

Indoors

Outdoors

Section 6- Housekeeping & Maintenance

Housekeeping Method(s):

- Vacuum (listed for combustible dust)
- Wet Cleaning
- Manual Collection
- Other: _____

Housekeeping Schedule:

- Continuous
- Daily
- Weekly
- Other: _____

Maximum Allowable Dust Layer Thickness: _____

Section 7- Ignition Source Control

- Hot Work Permit Program in place
- Smoking Prohibited / Designated Areas
- Static Control / Bonding / Grounding
- Electrical Equipment Rated for Hazardous Location (where required)
- Mechanical Spark Control Measures

Describe additional ignition source controls:

Section 8- Fire Protection Systems

- Automatic Sprinkler System
- Fire Alarm System
- Portable Fire Extinguishers
- Special Suppression System (specify): _____

System Monitoring Company: _____

Section 9- Employee Training

- Combustible Dust Awareness Training Provided
- Emergency Response Procedures Training
- Housekeeping Training
- Hot Work Training

Training Frequency: _____

Section 10- Emergency & Incident history

Has the facility experienced a dust fire, deflagration, or explosion?

- No
- Yes (describe and attach documentation):

Section 11- Required Attachments

- Dust Hazard Analysis (if required)
- Site / Floor Plan Showing Dust-Producing Areas
- Equipment Cut Sheets
- Housekeeping & Maintenance Procedures
- Hot Work Permit Program
- Emergency Action Plan

Section 12- Applicant Certification

I certify that the above information is true and correct to the best of my knowledge. I understand that this Operational Permit is subject to inspection and approval by the Guil-Rand Fire Department Fire Marshal's Office and that failure to comply with the North Carolina Fire Code, applicable NFPA standards, and all applicable State, Federal, and Local Laws and Ordinances may result in permit denial, suspension, or revocation.

Applicant Name (Print): _____

Signature: _____ **Date:** _____

APPLICABLE CODES & STANDARDS (REFERENCE)

Operations shall comply with, but are not limited to:

- **North Carolina Fire Code (NCFC)** – current adopted edition
- **NFPA 652** – Standard on the Fundamentals of Combustible Dust
- **NFPA 654** – Combustible Dusts from Manufacturing, Processing, and Handling of Combustible Particulate Solids
- **NFPA 61** – Agricultural and Food Processing Facilities (if applicable)
- **NFPA 484** – Combustible Metals (if applicable)
- **OSHA 29 CFR 1910** (as applicable)

Permit approval does not relieve the permit holder from compliance with all applicable codes, standards, laws, and ordinances, nor does it authorize unsafe or hazardous conditions.